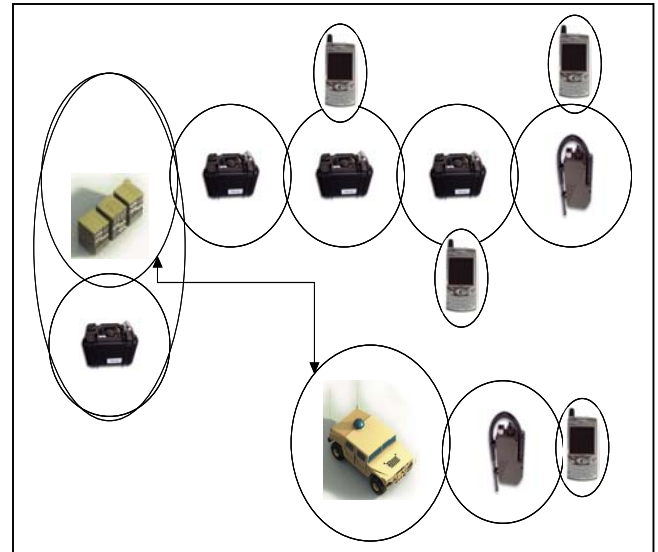


## Tactical Cellular (TACCELL)

**Purpose:** TACCELL will put a highly flexible, capable, and disposable communications device in the hands of the warfighter for use from garrison, in-transit, and on the battlefield.

**Background:** TACCELL started as an initiative briefed to MCWLs Technology OPT. While investigating options on the original concept, wireless networking was added to make the system more flexible and attempt to bridge the digital divide from the headquarters to the squad leader.

The few systems that are in the hands at the lowest tactical level either give voice only or such small bandwidth as to be useless. Cell phone and Personal Digital Assistant (PDA) technology has combined to make handsets that are small, highly capable and flexible, lightweight, and disposable. Wireless data networks have been designed with greater range and bandwidth than some wired networks. These wireless networks have become as easy to set up as putting one down, turning it on, and the wireless node does the work of joining the rest of the high speed, robust data network.



**Description:** Combining the capabilities of both wireless networking and cellular systems could allow the platoon commander/squad leader on the move to an objective to see up-to-date photos and video of his objective while he is moving towards it. It is possible to make that communicator be the very same cell phone that the platoon commander was using as a personal communications device while back in garrison. At the headquarters end, the system will tie in to the tactical voice and data networks to allow a seamless communications device between TACCELL and any other voice or data system.

**Deliverable Products:** The MCWL will procure a system that will be capable of providing a single means of communication to a Marine while in garrison, in transit to deployment, during deployment, and during combat. The system will allow contact to the Marine through the same phone number and handset, regardless of the geographical location of the Marine even if that is in combat.

### Milestones:

TASK	FY05	FY06	FY07
Procurement	▲		
Capabilities Assessment	▲	▲	▲
RSO&I Deployment		▲	
Follow-on Assessment		▲	▲
Work on transition	▲	▲	▲

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